

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/578,938
Source: IFWP
Date Processed by STIC: 05/19/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 05/19/2006

PATENT APPLICATION: US/10/578,938

TIME: 08:47:22

Input Set : A:\14167-2 US Sequence Listing.txt

Output Set: N:\CRF4\05192006\J578938.raw

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5 <110> APPLICANT: Klussmann, Sven
6     Helmling, Steffen
7     Eulberg, Dirk
8     Maasch, Christian
9     Buchner, Klaus
11 <120> TITLE OF INVENTION: Nucleic Acids Specifically Binding Bioactive Ghrelin
13 <130> FILE REFERENCE: 14167*2
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/578,938
C--> 15 <141> CURRENT FILING DATE: 2006-05-09
15 <150> PRIOR APPLICATION NUMBER: PCT/EP04/012739
16 <151> PRIOR FILING DATE: 2004-11-10
18 <150> PRIOR APPLICATION NUMBER: EP 03025743.0
19 <151> PRIOR FILING DATE: 2003-11-10
21 <160> NUMBER OF SEQ ID NOS: 21
23 <170> SOFTWARE: PatentIn version 3.1
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 48
27 <212> TYPE: RNA
28 <213> ORGANISM: Artificial
30 <220> FEATURE:
31 <221> NAME/KEY: misc_feature
32 <223> OTHER INFORMATION: consensus sequence L-NOX-B11
34 <220> FEATURE:
35 <221> NAME/KEY: misc_feature
36 <223> OTHER INFORMATION: ghrelin binder consensus sequence L-NOX-B11
38 <220> FEATURE:
39 <221> NAME/KEY: misc_feature
40 <222> LOCATION: (7)..(7)
41 <223> OTHER INFORMATION: n is any of a, g, c and u
43 <220> FEATURE:
44 <221> NAME/KEY: misc_feature
45 <222> LOCATION: (13)..(13)
46 <223> OTHER INFORMATION: n is any of a, g, c and u
48 <220> FEATURE:
49 <221> NAME/KEY: misc_feature
50 <222> LOCATION: (19)..(19)
51 <223> OTHER INFORMATION: n is any of a, g, c and u
53 <220> FEATURE:
54 <221> NAME/KEY: misc_feature
55 <222> LOCATION: (45)..(45)
56 <223> OTHER INFORMATION: n is any of a, g, c and u
58 <400> SEQUENCE: 1
W--> 59 cgugygnagg yaaaaacnu aarwccgaag guaaccawuc cuacnacg

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48

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62 <210> SEQ ID NO: 2
63 <211> LENGTH: 47
64 <212> TYPE: RNA
65 <213> ORGANISM: Artificial
67 <220> FEATURE:
68 <221> NAME/KEY: misc_feature
69 <223> OTHER INFORMATION: ghrelin binder L-NOX-B11
72 <400> SEQUENCE: 2
73 cgugugaggc aaauaaacuu aaguccgaag guaaccaauc cuacacg 47
75 <210> SEQ ID NO: 3
76 <211> LENGTH: 47
77 <212> TYPE: RNA
78 <213> ORGANISM: Artificial
80 <220> FEATURE:
81 <221> NAME/KEY: misc_feature
82 <223> OTHER INFORMATION: ghrelin binder L-NOX-G2
84 <400> SEQUENCE: 3
85 cgugugaggc aguaaaacuu aaguccgaag guaaccaauc cuacacg 47
88 <210> SEQ ID NO: 4
89 <211> LENGTH: 47
90 <212> TYPE: RNA
91 <213> ORGANISM: Artificial
93 <220> FEATURE:
94 <221> NAME/KEY: misc_feature
95 <223> OTHER INFORMATION: ghrelin binder L-NOX-E12
98 <400> SEQUENCE: 4
99 cgugugaggc aaauaaacuu aaguccgaag guaaccaauc cugcacg 47
101 <210> SEQ ID NO: 5
102 <211> LENGTH: 47
103 <212> TYPE: RNA
104 <213> ORGANISM: Artificial
106 <220> FEATURE:
107 <221> NAME/KEY: misc_feature
108 <223> OTHER INFORMATION: ghrelin binder L-NOX-B7
111 <400> SEQUENCE: 5
112 cgugugaggc aaauaaacau aaguccgaag guaaccaauc cuacacg 47
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 47
116 <212> TYPE: RNA
117 <213> ORGANISM: Artificial
119 <220> FEATURE:
120 <221> NAME/KEY: misc_feature
121 <223> OTHER INFORMATION: ghrelin binder L-NOX-A8
123 <400> SEQUENCE: 6
124 cgugugaggc aaauaaacgu aaguccgaag guaaccaauc cuacacg 47
127 <210> SEQ ID NO: 7
128 <211> LENGTH: 49
129 <212> TYPE: RNA
130 <213> ORGANISM: Artificial

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132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <223> OTHER INFORMATION: ghrelin binder L-NOX-B12
136 <400> SEQUENCE: 7
137 cgugugagggc aauaaaacuu guaaguccga agguaaccaa uccuacacg 49
140 <210> SEQ ID NO: 8
141 <211> LENGTH: 48
142 <212> TYPE: RNA
143 <213> ORGANISM: Artificial
145 <220> FEATURE:
146 <221> NAME/KEY: misc_feature
147 <223> OTHER INFORMATION: ghrelin binder L-NOX-E3
149 <400> SEQUENCE: 8
150 cgugugagggc aauaaaaaacu uaaguccgaa gguaaccaau ccuacacg 48
153 <210> SEQ ID NO: 9
154 <211> LENGTH: 50
155 <212> TYPE: RNA
156 <213> ORGANISM: Artificial
158 <220> FEATURE:
159 <221> NAME/KEY: misc_feature
160 <223> OTHER INFORMATION: ghrelin binder L-NOX-C12
162 <400> SEQUENCE: 9
163 cgugcgguga ggcaaaaacg uaagaccgaa gguaaccauu ccuaccacg 50
166 <210> SEQ ID NO: 10
167 <211> LENGTH: 50
168 <212> TYPE: RNA
169 <213> ORGANISM: Artificial
171 <220> FEATURE:
172 <221> NAME/KEY: misc_feature
173 <223> OTHER INFORMATION: ghrelin binder L-NOX-C11
175 <400> SEQUENCE: 10
176 cgugugaggu aquaaaaaaa cguaaauccg aagguaacca auccuacacg 50
178 <210> SEQ ID NO: 11
179 <211> LENGTH: 53
180 <212> TYPE: RNA
181 <213> ORGANISM: Artificial
183 <220> FEATURE:
184 <221> NAME/KEY: misc_feature
185 <223> OTHER INFORMATION: ghrelin binder L-NOX-A3
187 <400> SEQUENCE: 11
188 cgugugaggu aquaaaaaaa aaacguaaaau ccgaagguaa ccaauccuac acg 53
191 <210> SEQ ID NO: 12
192 <211> LENGTH: 54
193 <212> TYPE: RNA
194 <213> ORGANISM: Artificial
196 <220> FEATURE:
197 <221> NAME/KEY: misc_feature
198 <223> OTHER INFORMATION: ghrelin binder L-NOX-F5
200 <400> SEQUENCE: 12

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201 cgugugaggu aquaaaaaaaa aaacguaaa uccgaaggua accaguccua cacg      54
204 <210> SEQ ID NO: 13
205 <211> LENGTH: 55
206 <212> TYPE: RNA
207 <213> ORGANISM: Artificial
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <223> OTHER INFORMATION: ghrelin binder L-NOX-A12
213 <400> SEQUENCE: 13
214 cgugugaggu aquaaaaaaaa aaacguaaa uccgaaggua aaccaauccu acacg      55
217 <210> SEQ ID NO: 14
218 <211> LENGTH: 56
219 <212> TYPE: RNA
221 <213> ORGANISM: Artificial
223 <220> FEATURE:
224 <221> NAME/KEY: misc_feature
225 <223> OTHER INFORMATION: ghrelin binder L-NOX-F12
227 <400> SEQUENCE: 14
228 cgugugaggu aquaaaaaaaa aaacguaaa uccgaaggua uaccaaucc uacacg      56
231 <210> SEQ ID NO: 15
232 <211> LENGTH: 59
233 <212> TYPE: RNA
234 <213> ORGANISM: Artificial
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <223> OTHER INFORMATION: ghrelin binder L-NOX-G5
240 <400> SEQUENCE: 15
241 cgugugaggu aquaaaaaaaa aaacguaaa uccgaaggua agguaaccaa uccuacacg      59
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 28
246 <212> TYPE: PRT
247 <213> ORGANISM: Homo sapiens
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <223> OTHER INFORMATION: human ghrelin
253 <400> SEQUENCE: 16
255 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Arg Val Gln Gln Arg Lys
256 1          5          10          15
259 Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
260          20          25
263 <210> SEQ ID NO: 17
264 <211> LENGTH: 10
265 <212> TYPE: PRT
266 <213> ORGANISM: Homo sapiens
268 <220> FEATURE:
269 <221> NAME/KEY: misc_feature
270 <223> OTHER INFORMATION: amino acids 1 to 10 of human ghrelin
272 <400> SEQUENCE: 17
273 Gly Ser Ser Phe Leu Ser Pro Glu His Gln

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Input Set : A:\14167-2 US Sequence Listing.txt

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274 1          5          10
277 <210> SEQ ID NO: 18
278 <211> LENGTH: 5
279 <212> TYPE: PRT
280 <213> ORGANISM: Homo sapiens
282 <220> FEATURE:
283 <221> NAME/KEY: misc_feature
284 <223> OTHER INFORMATION: amino acids 1 to 5 of human ghrelin
286 <400> SEQUENCE: 18
287 Gly Ser Ser Phe Leu
288 1          5
291 <210> SEQ ID NO: 19
292 <211> LENGTH: 28
293 <212> TYPE: PRT
294 <213> ORGANISM: rat
296 <220> FEATURE:
297 <221> NAME/KEY: misc_feature
298 <223> OTHER INFORMATION: rat ghrelin
300 <400> SEQUENCE: 19
301 Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Ala Gln Gln Arg Lys
302 1          5          10          15
304 Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
305          20          25
308 <210> SEQ ID NO: 20
309 <211> LENGTH: 17
310 <212> TYPE: RNA
311 <213> ORGANISM: Artificial
313 <220> FEATURE:
314 <221> NAME/KEY: misc_feature
315 <223> OTHER INFORMATION: 5' flank sequence
317 <400> SEQUENCE: 20
318 ggagcucaga cuucacu
321 <210> SEQ ID NO: 21
322 <211> LENGTH: 18
323 <212> TYPE: RNA
324 <213> ORGANISM: Artificial
326 <220> FEATURE:
327 <221> NAME/KEY: misc_feature
328 <223> OTHER INFORMATION: 3' flank sequence
330 <400> SEQUENCE: 21
331 uaccacuguc gguuccac

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/578,938

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 7,13,19,45

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,20,21

VERIFICATION SUMMARY

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Input Set : A:\14167-2 US Sequence Listing.txt

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L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0